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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/807,402	08/03/2001	Peter Hofert	SCH 1808	9208
23599	7590 01/26/2004		EXAMINER	
,	HITE, ZELANO & BRA	MAIER, LEIGH C		
SUITE 1400	2200 CLARENDON BLVD. SUITE 1400			PAPER NUMBER
ARLINGTON	, VA 22201		1623	
			DATE MAILED: 01/26/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)			
	09/807,402	HOFERT ET AL.			
Office Action Summary	Examiner	Art Unit			
	Leigh C. Maier	1623			
The MAILING DATE of this communication a P riod for Reply	appears on the cover sheet	with the correspondence address			
A SHORTENED STATUTORY PERIOD FOR REI THE MAILING DATE OF THIS COMMUNICATIOI - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory per - Failure to reply within the set or extended period for reply will, by sta - Any reply received by the Office later than three months after the may earned patent term adjustment. See 37 CFR 1.704(b). Status	N. 1.136(a). In no event, however, may reply within the statutory minimum of od will apply and will expire SIX (6) M tute, cause the application to become	a reply be timely filed thirty (30) days will be considered timely. IONTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).			
1) Responsive to communication(s) filed on 30	October 2003.				
2a)⊠ रThis action is FINAL . 2b) ☐ Th	nis action is non-final.	•			
Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1-5,7,8 and 10-22 is/are pending in 4a) Of the above claim(s) 8,12 and 21 is/are 5) Claim(s) is/are allowed. 6) Claim(s) 1-5, 7, 10, 11, 13-20, and 22 is/are 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and 	withdrawn from considera	tion.			
Application Papers	·				
9)☐ The specification is objected to by the Exam	iner.				
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the corr	•				
11) The oath or declaration is objected to by the	Examiner. Note the attach	ed Office Action or form PTO-152.			
Priority under 35 U.S.C. §§ 119 and 120					
12) Acknowledgment is made of a claim for fore a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the paplication from the International Bure * See the attached detailed Office action for a l 13) Acknowledgment is made of a claim for dome since a specific reference was included in the 37 CFR 1.78. a) The translation of the foreign language 14) Acknowledgment is made of a claim for dome reference was included in the first sentence of	ents have been received. ents have been received in riority documents have been eau (PCT Rule 17.2(a)). ist of the certified copies n estic priority under 35 U.S. first sentence of the speci- provisional application has estic priority under 35 U.S.	Application No en received in this National Stage of received. C. § 119(e) (to a provisional application) fication or in an Application Data Sheet. been received. C. §§ 120 and/or 121 since a specific			
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) 🗌 Notice o	w Summary (PTO-413) Paper No(s) of Informal Patent Application (PTO-152)			

DETAILED ACTION

Status of the Claims

Claims 6 and 9 have been canceled. Claims 1-5, 7, and 10-16 have been amended. Claims 17-22 have been added. Claims 1-5, 7, 8, and 10-22 are pending. Claims 8 and 12 were previously withdrawn pursuant to a restriction requirement. Newly added claim 21 depends from claim 12 and is likewise withdrawn. Any rejection or objection or rejection not expressly repeated has been withdrawn. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 112

Claims 7 and 18 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 7 depends from canceled claim 6, thus rendering the claim vague and indefinite.

Claim 18 recites the limitation "said precipitation reaction." There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 U.S.C. § 103

Claims 1, 4, 5, 7, 10, 15, and 16 are again rejected under 35 U.S.C. 103(a) as being unpatentable over BACKENSFELD et al (US 5,798,338), as set forth in the previous Office action. Newly submitted claim 18 is also included in this rejection.

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The invention is as set forth in the previous Office action. Claim 18 is drawn to preparation comprising a co-precipitation reaction.

Applicant's arguments filed 30 October 2003 have been fully considered but they are not persuasive.

Applicant argues that the gestagens mentioned by BACKENSFELD do not possess a $14,17-C_2$ -bridge, whereas the claimed gestagens do have such a bridge and have an α -hydroxyketone side chain at the 17 position.

BACKENSFELD is a general teaching that steroidal sex hormones are subject to oxidative degradation that can be avoided by complexation with cyclodextrins. The reference specifically suggests the use of other steroidal sex hormones having a 14,17– C_2 –bridge, so one of ordinary skill would be motivated to prepare complexes with similarly structured steroids to decrease oxidation with a reasonable expectation of success. The examiner further notes that the claims do not require an α –hydroxyketone side chain at the 17 position.

Applicant further argues that BACKENSFELD provides no teaching to motivate the skilled artisan to stabilize gestagens to prevent/reduce acyloin rearrangements of the gestagen. It is noted that the features upon which applicant relies (i.e., prevention/reduction of acyloin rearrangements) are not recited in the rejected claims. Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

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Claims 1-5, 7, 10, 11, and 13-16 are again rejected under 35 U.S.C. 103(a) as being unpatentable over BACKENSFELD et al (US 5,798,338) in view of SCHOLLKOPF et al (WO 96/20209), as set forth in the previous Office action. Newly added claims 17-20 and 22 are included in this rejection.

The invention is as set forth in the previous Office action. Various dependencies have been changed. Newly added claim 22 is drawn to a combination consisting of a gestagen of formula I and a cyclodextrin.

Applicant's arguments filed 30 October 2003 have been fully considered but they are not persuasive. The only additional argument presented was that SCHOLLKOPF does not correct purported deficiencies of BACKENSFELD. The arguments regarding BACKENSFELD have been addressed above.

With regard to new claims 17 and 20, SCHOLLKOPF specifically discloses the compound recited in claim 20, which has R²¹'=hydroxy. See page 6, line 14. It would have been obvious to one having ordinary skill at the time the invention was made to use any of these compounds in combination with the estrogens and cyclodextrin to prepare a medicament administered for birth control, as set forth in the previous Office action.

With regard to new claims 18 and 19, the claims are drawn generally to the preparation of a gestagen/cyclodextrin complex comprising a precipitation step. Claim 19 adds the limitation of adding an ethanolic solution of the gestagen to an aqueous solution of cyclodextrin to effect precipitation of the product. General precipitation has been addressed in the previous Office action. BACKENSFELD teaches the preparation of clathrates of steroidal sex hormones by adding the steroid, dissolved in an appropriate solvent such as ethanol, to an aqueous solution of

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the cyclodextrin, thereafter filtering the resulting precipitate. See col 2, lines 36-37 and lines 40-44. It would be within the scope of the artisan to adapt this process to prepare a cyclodextrin complex of a gestagen, such as the ones disclosed by SCHOLLKOPF with a reasonable expectation of success.

With regard to claim 22, the claim is drawn to a combination *consisting* of a gestagen of formula I and a cyclodextrin, thereby excluding other components. As discussed above, BACKENSFELD is a general teaching with respect to the use of cyclodextrins to stabilize steroidal sex hormones, including gestagens. This reference does not specifically disclose the gestagens of formula I. These gestagens are disclosed by SCHOLLKOPF. It would have been obvious to one having ordinary skill in the art at the time the invention was made to prepare a complex consisting of a cyclodextrin and a gestagen disclosed by SCHOLLKOPF. Given the teaching of BACKENSFELD, one of ordinary skill would expect that the gestagens disclosed by SCHOLLKOPF would also be subject to degradation as discussed in BACKENSFELD.

Therefore the artisan would be motivated to prepare such a complex in order to stabilize these gestagens with a reasonable expectation of success.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

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the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Examiner's hours, phone & fax numbers

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leigh Maier whose telephone number is (703) 308-4525. The examiner can normally be reached on Tuesday, Wednesday, and Friday 7:00 to 3:30 (ET).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. James O. Wilson (703) 308-4624, may be contacted. The fax number for Group 1600, Art Unit 1623 is (703) 308-4556 or 305-3592.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 1600 receptionist whose telephone number is (703) 308-1235.

Visit the U.S. PTO's site on the World Wide Web at http://www.uspto.gov. This site contains lots of valuable information including the latest PTO fees, downloadable forms, basic search capabilities and much more.

Leigh C. Maier Patent Examiner January 22, 2003

JAMES O. WILSON

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 1600